

RECORDATION FORM COVER SHEET  
PATENTS ONLY

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

1. Timofei Nikita  
Kroupenkine



Additional name(s) of conveying party(ies) attached?  Yes  No

3. Nature of conveyance:

- Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_

Execution Date(s): 6/29/2004

2. Name and address of receiving party(ies)

Name: Lucent Technologies Inc.

Internal Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Street Address: 600 Mountain Avenue

P.O. Box 636

City: Murray Hill State: NJ ZIP: 07974-0636

Additional name(s) & address(es) attached?  Yes  No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application No.(s)

10/810774

B. Patent No.(s)

Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Docket Administrator

Internal Address: Room 3J-219

Street Address: 101 Crawfords Corner Road

City: Holmdel State: NJ ZIP: 07733-3030

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) \$40.00

Enclosed

Authorized to be charged to deposit account

8. Deposit account number: 12-2325

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

David W. Herring

Name of Person Signing

Signature

6/29/04

Date

Total number of pages including cover sheet, attachments, and document: 5

Mail documents to be recorded with required cover sheet information to:

Mail Stop Assignment Recordation Services  
Director of the US Patent and Trademark Office  
PO Box 1450  
Alexandria, VA 22313-1450

Case Name/No.: Kroupenkine 24-15-8

## ASSIGNMENT AND AGREEMENT

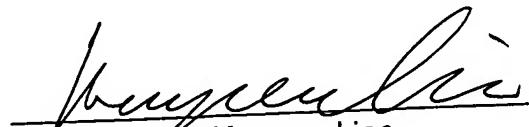
For value received, we, Timofei Nikita Kroupenkine, of Warren in the County of Somerset and the State of New Jersey, and Joseph Ashley Taylor, of Springfield in the County of Union and the State of New Jersey, and Donald Weiss, of Cresskill in the County of Bergen and the State of New Jersey, hereby sell, assign and transfer to Lucent Technologies Inc., a corporation of the State of Delaware, having an office at 600 Mountain Avenue, Murray Hill, New Jersey, 07974-0636, U.S.A. and its successors, assigns and legal representatives, the entire right, title and interest, for the United States of America, in and to certain inventions related to **Nanostructured Liquid Bearing** described in an application for Letters Patent of the United States, Serial No. 10/810774, filed March 26, 2004, and all the rights and privileges in said application and under any and all Letters Patent that may be granted in the United States for said inventions; and we also concurrently hereby sell, assign and transfer to Lucent Technologies Inc. the entire right, title and interest in and to said inventions for all countries foreign to the United States, including all rights of priority arising from the application aforesaid, and all the rights and privileges under any and all forms of protection, including Letters Patent, that may be granted in said countries foreign to the United States for said inventions.

We authorize Lucent Technologies Inc. to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from us, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of Lucent Technologies Inc. to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

We request that any and all patents for said inventions be issued to Lucent Technologies Inc. in the United States and in all countries foreign to the United States, or to such nominees as Lucent Technologies Inc. may designate.

We agree that, when requested, we shall, without charge to Lucent Technologies Inc. but at its expense, sign all papers, and do all acts which may be necessary, desirable or convenient in connection with said applications, patents, or other forms of protection.



Timofei Nikita Kroupenkine

Date: 06/29/04

United States of America )

State of New Jersey ) ss.:

County of Union)

On this 29th day of June, 2004, before  
me personally came, Timofei Nikita Kroupenkine to me known to be the individual  
described in and who executed the foregoing instrument, and acknowledged  
execution of the same.



Susan A. Schuchard  
Notary Public

SUSAN A. SCHUCHARD  
NOTARY PUBLIC  
STATE OF NEW JERSEY  
MY COMMISSION EXPIRES JUNE 5, 2008

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Joseph Ashley Taylor

Date: \_\_\_\_\_

United States of America )

State of ) ss.:

County of )

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, before  
me personally came, Joseph Ashley Taylor to me known to be the individual  
described in and who executed the foregoing instrument, and acknowledged  
execution of the same.

---

Notary Public

---

Donald Weiss

Date: \_\_\_\_\_

United States of America )

State of ) ss.:

County of )

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, before  
me personally came, Donald Weiss to me known to be the individual described in  
and who executed the foregoing instrument, and acknowledged execution of the  
same.

---

Notary Public

Lucent Technologies Inc.  
Docket Administrator (Room 3J-219)  
Lucent Technologies Inc.  
101 Crawfords Corner Road  
Holmdel, NJ 07733-3030



**IN THE UNITED STATES  
PATENT AND TRADEMARK OFFICE**

**Declaration and Power of Attorney**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled **Nanostructured Liquid Bearing** the specification of which

is attached hereto

OR

was filed on March 26, 2004 as Application Serial Number 10/810774.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by an amendment, if any, specifically referred to in this oath or declaration.

I acknowledge the duty to disclose all information known to me which is material to patentability as defined in Title 37, Code of Federal Regulations, 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

None

I hereby claim the benefit under Title 35, United States Code, 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, 112, I acknowledge the duty to disclose all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

None

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby appoint Practitioners associated with Customer Number:

**22046**

as my Attorneys with full power of substitution and revocation, to prosecute said application, to make alterations and amendments therein, to receive the patent, and to transact all business in the Patent and Trademark Office connected therewith.

**I hereby authorize these attorneys to insert in the above blanks the filing date and Application Serial Number when known.**

Please address all correspondence to the Lucent Technologies Inc., Docket Administrator - Room 3J-219, 101 Crawfords Corner Road, Holmdel, New Jersey 07733-3030. Telephone calls should be made to David W. Herring by dialing 908-582-4326.

Full name of 1st joint inventor: Timofei Nikita Kroupenkine

Inventor's signature

Date 06/29/04

Residence: Warren, Somerset County, New Jersey

Citizenship: United States of America

Post Office Address: 22 Red Hill Road  
Warren, New Jersey, 07059

Full name of 2<sup>nd</sup> inventor: Joseph Ashley Taylor

Inventor's signature

\_\_\_\_\_ Date \_\_\_\_\_

Residence: Springfield, Union County, New Jersey

Citizenship: United States of America

Post Office Address: 7C Stone Hill Road  
Apt. C  
Springfield, New Jersey, 07081

Full name of 3<sup>rd</sup> inventor: Donald Weiss

Inventor's signature

\_\_\_\_\_ Date \_\_\_\_\_

Residence: Cresskill, Bergen County, New Jersey

Citizenship: United States of America

Post Office Address: 200 Hillside Avenue

Cresskill, New Jersey, 07626